



# RD-1000

## DIGITAL VHF/UHF VIDEO RECEIVER, ATSC, 8VSB, QAM

The RD-1000 Digital to Analog Decoder provides digital demodulation and decoding, for ATSC 8VSB broadcast or in-the-clear QAM television signals. The RD-1000 delivers a standard NTSC composite analog video and stereo audio output. Used in conjunction with an analog NTSC modulator.



### Features

- Receives ATSC 8VSB or clear QAM
- Decodes signal to NTSC Composite Analog Video

Technical Specifications	
<b>Input:</b>	
Connector:	F-Type
Standards:	ATSC 8-VSB QAM (64 and 256)
8-VSB Mode	
Tuning Range:	UHF (NTSC 14-78), VHF (NTSC 2-13)
Symbol Rate:	10.762 Msymbols/sec
QAM Mode	
Tuning Range:	CATV (NTSC 2-135)
Symbol Rate:	5.3606 Msymbols/sec (256 QAM) 5.057 Msymbols/sec (64 QAM)
Single Channel Power Level:	-32 to +45 dBmV
8VSB Power Level:	-20 to +30 dBmV
QAM Power Level:	-20 to +20 dBmV
Return loss:	12 dB
Impedance:	75 ohms
<b>Output:</b>	
Connector:	F-Type (video) RCA; Left & Right (audio)
NTSC Composite Video	
Level:	1 Volt peak-to-peak
Flatness:	1.0 dB p/v (30 Hz to 4.2 MHz)
Video to Noise Ratio:	70 dB
Differential Gain:	±0.75%
Differential Phase:	±0.50 degree
Format:	480i
Aspect Ratio:	AFD, Center Cut, Letterbox, Full, Zoom 1, Zoom 2
Closed Captioning:	EIA-608
L/R Analog Audio	

Level:	1.0 to 1.2 Volt Peak-to-Peak (at -20 dBFs input) 10.0 to 10.5 Volt Peak-to-Peak (at 0 dBFs input)
Frequency Response:	2.0 dB p/v (30 Hz to 20kHz)
Audio Signal-to-Noise Ratio:	67 dB (at -20 dBFs input)
Modes:	Stereo, Mono, SAP
<b>General:</b>	
Dimensions:	1.15 x 7.5 x 3.5 inches
Power:	110 VAC/60 Hz or 220 VAC/50 Hz
Weight:	0.6 lbs
Operating Temperature:	-10- +68

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